

## Technical Soil Descriptions

Technical soil descriptions describe the characteristics or properties (physical and chemical) of the soil including the parent material in which it formed. A pedon, a small three-dimensional area of the soil, serves as the reference point for the technical or soil series description. The soil description compares the soil to similar and other nearby soils and also includes a range of important characteristics. The detailed description method follows standards outlined in the Soil Survey Manual and many of the technical terms used in the description are defined in Soil Taxonomy.

### **Counties with Published Soil Surveys**

Technical soil descriptions are located in the county soil survey descriptive legend.

### **Counties without Published Soil Surveys**

Technical soil descriptions can be found in adjacent county published soil survey descriptive legends or at our [Official Soil Series Description](#) web site.

*This section includes:*

- **(a) Classification of the soils**

Greene and Lawrence Counties, Missouri  
 Classification of the Soils

Soil name	Family or higher taxonomic class
Alsup-----	Fine, mixed, mesic Oxyaquic HapludalFs
Bado-----	Fine, mixed, mesic Typic FragiaqualFs
Barco-----	Fine-loamy, mixed, thermic Mollic HapludalFs
Basehor-----	Loamy, siliceous, mesic Lithic Dystrochrepts
Bolivar-----	Fine-loamy, mixed, thermic Ultic HapludalFs
Carytown-----	Fine, mixed, thermic Albic NatraqualFs
Cedargap-----	Loamy-skeletal, mixed, superactive, mesic Cumulic Hapludolls
Clarksville-----	Loamy-skeletal, siliceous, semiactive, mesic Typic PaleudulFs
Collinsville-----	Loamy, siliceous, thermic Lithic Hapludolls
Creldon-----	Fine, mixed, active, mesic Oxyaquic FragiudalFs
Eldon-----	Clayey-skeletal, mixed, mesic Mollic PaleudalFs
Freeburg-----	Fine-silty, mixed, superactive, mesic Aquic HapludalFs
Gasconade-----	Clayey-skeletal, mixed, superactive, mesic Lithic Hapludolls
Gerald-----	Fine, mixed, mesic Umbric FragiaqualFs
Goss-----	Clayey-skeletal, mixed, active, mesic Typic PaleudalFs
Hepler-----	Fine-silty, mixed, thermic Mollic EndoaqualFs
Hoberg-----	Fine-loamy, siliceous, mesic Mollic FragiudalFs
Huntington-----	Fine-silty, mixed, mesic Fluventic Hapludolls
Keeno-----	Loamy-skeletal, siliceous, active, mesic Oxyaquic FragiudalFs
Lanton-----	Fine-silty, mixed, superactive, mesic Cumulic Endoaquolls
Needleye-----	Fine-silty, mixed, mesic Aquic FragiudulFs
Newtonia-----	Fine-silty, mixed, thermic Typic Paleudolls
Nixa-----	Loamy-skeletal, siliceous, mesic Glossic FragiudulFs
Osage-----	Fine, montmorillonitic, thermic Vertic Haplaquolls
Parsons-----	Fine, mixed, thermic Mollic AlbaqualFs
Pembroke-----	Fine-silty, mixed, mesic Mollic PaleudalFs
Peridge-----	Fine-silty, mixed, mesic Typic PaleudalFs
Sampsel-----	Fine, montmorillonitic, mesic Vertic Argiaquolls
Secesh-----	Fine-loamy, siliceous, mesic Ultic HapludalFs
Viraton-----	Fine-loamy, siliceous, mesic Oxyaquic FragiudalFs
Waben-----	Loamy-skeletal, siliceous, mesic Ultic HapludalFs
Wilderness-----	Loamy-skeletal, siliceous, mesic Oxyaquic FragiudalFs